



The image shows a Zondan DS 120B Fetal Monitor. It features a large 10.2-inch color TFT display at the top, which currently shows the model name 'DS 120B' in white and purple, and 'Fetal Monitor' below it. Below the screen is a paper output tray with a white sheet of paper emerging, displaying the website 'WWW.ZONDAN.COM'. To the right of the screen is a control panel with several buttons: a 'NEW' button, a 'REW' button, a 'PRINT' button, and a large blue rotary knob. Below these are two purple buttons labeled 'OK' and 'CANCEL'. The device is light-colored with a professional, clinical appearance.

DS 120B

Fetal Monitor

10.2" inch large-screen color TFT display, digital display and waveform oscilloscope of twins heart rate (FHR) and uterine contraction pressure(TOCO) value.

Directly viewing 1:1 scale of display and print-out waveform.

7-wafer impulse ultrasound transducer, configured with special HR self correlation reading algorithm to ensure correct and reliable fetal heart rate (FHR) measurement.

Auto power failure protection and reliable rechargeable Li-ion battery can realize continual monitoring function.



Core of Technology Care for life



- 10.2" inch large-screen color TFT display, digital display and waveform oscilloscope of twins heart rate (FHR) and uterine contraction pressure(TOCO) value.
- Independent user friendly interface with menu function setting. Unique rotary button control design, portable and convenient.
- Self-defination of multi-event marks.
- Directly viewing 1:1 scale of display and print-out waveform.
- Folding thermal array printer with high resolution, easy paper loading, paper empty auto detection and printing head over-heating protection
- 7-wafer impulse ultrasound transducer, configured with special HR self correlation reading algorithm to ensure correct and reliable fetal heart rate (FHR) measurement.
- Highly sensitive, wide scope pressure transducer ensures to achieve effective measurement of uterine contraction pressure (TOCO).
- Fetal movement auto detection.
- Signal intensity indication ensures effective transducer position.
- Auto power failure protection and reliable rechargeable Li-ion battery can realize continual monitoring function.
- Net-working capacity, convenient and ease-of -use. Convenient for hospital informatization management and for data analysis of fetal central monitor system.
- Meets the standard IEC60601-1,1988, class I ,type B with special protection from electroshock, safe and reliable in use.

DS 120B

Fetal Monitor



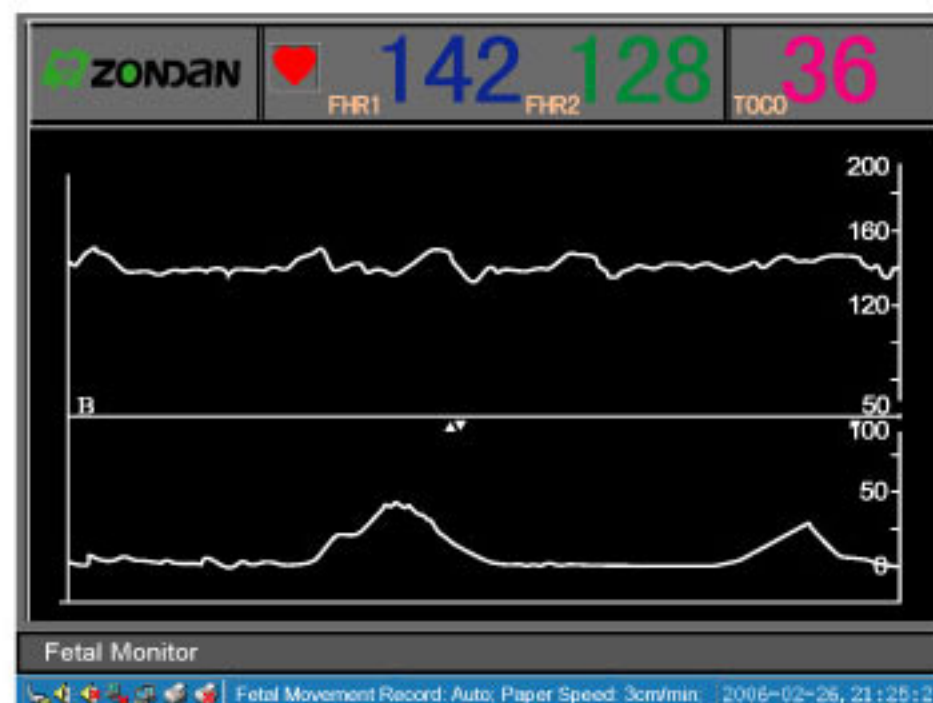
Ultrasonic Probe



Fetal Movement Probe



TOCO Probe



Standard working interface: FHR, TOCO, waveform, paper speed, fetal movement record and net connecting status.

DS 120B

Fetal Monitor



■ Fetal heart rate (FHR) measurement

Measuring method	Ultrasound Doppler
Measuring scope	50~240BPM
Measuring tolerance	Less than ± 1 BPM
Fetal heart rate curve scope	50~240BPM
Fetal heart rate numeric display scope	50~240BPM
Ultrasound working frequency	2MHz、2.5MHz
Ultrasound output intensity	< 5mW/cm ²

■ Uterine contraction pressure (TOCO) measurement

Measuring method	External measuring
Measuring scope	0~100 unit
Uterine contraction pressure curve scope	0~100 unit
Uterine contraction pressure numeric display scope	0~100 unit
Non-linearity tolerance	Less than $\pm 10\%$
Auto-zero function	Yes

■ Fetal movement record	Manual control button label, Auto fetal movement identification
■ Display	10.2"color TFT-LCD(800RGB*480)
■ Event mark	9 available
■ Record mode	Thermal array printer
■ Record paper	112mm×100mm folded thermal printing paper
■ Paper feeding speed	1,2,3cm/min 3 options
■ Fetal heart rate audible and visual alarm	Low limit 120BPM, up limit 160BPM
■ Alarm trigger time	<3s
■ Printer failure alarm	Paper empty alarm
■ Output volume	2~3W speaker, volume adjustable
■ Power Supply	AC: 100-240V, 50/60Hz ± 1 Hz, 40VA DC: 14.4V/2000mAh, rechargeable Li-ion battery, continuous work>4h
■ Safety level	Class I, type B
■ Size	L296 mm xW312 mm xH92 mm
■ Net-working Capacity	Yes

